2221	GTAACCAAGCTGGTCACCGCACTGCGCCGTGAATTCGATCTGCCAGTGCACGTGCACACC														2280						
																		V			
2281	CACGACACTGCGGGTGGCCAGTTGGCTACCTACTTTGCTGCAGCTCAAGCTGGTGCAGAT														GAT +	2340					
																		G			
2341	GCT	GTT	GAC	GGT(GCT	TCC	GCA(-+-	CCA	CTG	TCT	GGC 	ACC 	ACC	TCC +	CAG	CCA	TCC -+-	CTG	TCT 	GCC +	2400
	A ATT																	L GCT			
2401				+			-+-			+				+			-+-	 А		+	2460
2461	GAC	CTC	GAG	CCG	TAC	TGG	GAA	GCT	GTG	CGC	GGA	.CTG	TAC	CTC	CCA	$_{ m TTT}$	'GAG	TCT	'GGA	ACC	2520
2401																		s		Т	
2521	CCA	GGC	CCA	ACC	GGT	CGC	GTC -+-	TAC	CGC	CAC	GAA	ATC	CCA	\GG(CGGA	ACAC	TTC	TCC	AAC	CTG	2580
	P	_	P															S AGAC		L TAC	
2581	 R			+			-+-			4				- +			+-	D		+	2640
2641	GCZ	AGCC	 CTT	raan	rgac	ATC	CTG	GGF	ACG(CCCI	AAC	CAAC	GT	CAC	ccci	ATC	CTC	CAAC	GTT	GTT	2700
2012																		K			
2701	GG(CGA(CCTC	CGCI	ACTO	CCAC	CCTC	GT:	rgg:	rgc(3GG' +	rgt:	AGA'	TCC.	AGC.	AGA(CTT	rgc:	rgcz	AGAC +	: 2760
	G																	A mos		D FAAC	•
2761				-+-			+-				+			-+ -			+	- <i></i>		+	- 2820
	CC	тсс	AGG'	TGG	CTG	GCC.	AGA	ACC.	ACT	GCG	CAC	CCG	CGC	ACT	GGA	AGG	CCG	CTC	CGA	N AGG(2
2821																		. s			+ 2880
2883	AA 1	.GGC	ACC	TCT -+-	GAC	GGA	AGT	TCC	TGA	.GGA	AGA +	GCA	.GGC	GCA	CCT	CGA	.CGC	TGA	TGA	TTC(C + 2940
			-		m		,		. 17	177	17	, ,	· 7	. T	, T	г	. 7	r	, г		

2941	AAGGAACGTCGCAACAGCCTCAACCGCCTGCTGTTCCCGAAGCCAACCGAAGAGTTCCTC													3000							
	K	E	R	R	N	s	L	N	R	L	L	F	P	K	P	Т	E	E	F	L	
2001	GAGCACCGTCGCCGCTTCGGCAACACCTCTGCGCTGGATGATCGTGAATTCTTCTACGGA														3060						
3001	E	Н										L									3000
2061	CTGGTCGAGGGCCGCGAGACTTTGATCCGCCTGCCAGATGTGCGCACCCCACTGCTTGTT														3120						
2001												P								V	3123
3121	CGC	CTG	GAT	GCG. +	ATC	ТСТ 	GAG -+-	CCA	GAC	GAT	AAG 	GGT 	ATG	GGC +	TAA 	GTT	GTG -+-	GCC	AAC	GTC +	3180
	R	L	D	А	I	S	E	P	D	D	K	G	М	R	N	V	V	Α	N	V	
3181	AAC	GGC	CAG	ATC +	CGC	CCA	ATG	CGT	GTG	CGT	GAC	CGC	TCC	GTT -+	GAG	TCT	GTC	ACC	GCA	ACC +	3240
	N	G	Q	I	R	P	М	R	V	R	D	R	S	V	E	S	V	T	А	Т	
3241	GCA	GAA	AAG	GCA	GAT	TCC	TCC	AAC	AAC	GGC	CAT	GTT	GC1	rgca -+	CCA	ATTC	GCT	GGT	GTT	GTC	3300
												V									
3301	ACTGTGACTGTTGCTGAAGGTGATGAGGTCAAGGCTGGAGATGCAGTCGCAATCATCGAG													3360							
	${f T}$	V	т	v	A	E	G	D	E	V	K	A	G	D	А	V	A	I	I	E	
3361	GCT	OTAT	SAAC	TA:	GAZ	AGC	AACZ	AAT(CACT	rgc7	TCT	rgti	GA(CGG(AAC	GATT	rga.	ACGO	GTT	GTG	3420
	Α	M	K	M	E	A	Т	I	Т	A	s	V	D	G	K	I	E	R	V	V	
3421	GT	rcc:	rgc7	rgc <i>i</i>	AAC	SAAC	3GT(GGAZ	AGG!	rgg(CGA(CTT(ATC	CGT(CGT	CGT'	TTC(CTA/	A - 34	174	
												τ.									

ATCC 21253	рус	1	MST	HTSSTLPAFK	KILVANRGEI	50 AVRAEDAALE
NRRL B-11474	рус	MTAITLGGLL	LKGIITLV			TIVICIT NAME
ATCC 21253 NRRL B-11474	рус	51 TGAATVAIYP	REDRGSFHRS	FASEAVRIGT	EGSPVKAYLD	100 IDEIIGAAKK
ATCC 21253 NRRL B-11474	рус рус	101 VKADAIYPGY	GFLSENAQLA	RECAENGITF	IGPTPEVLDL	150 TGDKSRAVTA
ATCC 21253 NRRL B-11474	рус рус	151 AKKAGLPVLA	ESTPSKNIDE D	IVKSAEGQTY	PIFVKAVAGG	200 GGRGMRFVAS S
ATCC 21253 NRRL B-11474	рус рус	201 PDELRKLATE	ASREAEAAFG	DGAVYVERAV S	INPQHIEVQI	250 LGDHTGEVVH R
ATCC 21253 NRRL B-11474	рус рус	251 LYERDCSLQR	RHQKVVEIAP	AQHLDPELRD	RICADAVKFC	300 RSIGYQGAGT
ATCC 21253 NRRL B-11474	рус рус	301 VEFLVDEKGN	HVFIEMNPRI	QVEHTVTEEV	TEVDLVKAQM	350 RLAAGATLKE
ATCC 21253 NRRL B-11474	рус рус	351 LGLTQDKIKT	HGAALQCRIT	TEDPNNGFRP	DTGTITAYRS	400 PGGAGVRLDG
ATCC 21253 NRRL B-11474	рус рус	401 AAQLGGEITA	HFDSMLVKMT	CRGSDFETAV	ARAQRALAEF	450 TVSGVATNIG
ATCC 21253 NRRL B-11474	рус рус	451 FLRALLREED	FTSKRIATGF	IADHPHLLQA G	PPADDEQGRI	500 LDYLADVTVN
ATCC 21253 NRRL B-11474	рус рус	501 KPHGVRPKDV	AAPIDKLPNI	KDLPLPRGSR	DRLKQLGPAA	550 FARDLREQDA
ATCC 21253 NRRL B-11474	pyc pyc	551 LAVTDTTFRD	AHQSLLATRV	RSFALKPAAE	AVAKLTPELL	600 SVEAWGGATY
ATCC 21253 NRRL B-11474	pyc 1 pyc	601 DVAMRFLFED	PWDRLDELRE	AMPNVNIQML	LRGRNTVGYT	650 PYPDSVCRAF
ATCC 21253 NRRL B-11474	pyc 1 pyc	651 VKEAASSGVD	IFRIFDALND	VSQMRPAIDA	VLETNTAVAE	700 VAMAYSGDLS
ATCC 21253 NRRL B-1147	pyc 4 pyc	701 DPNEKLYTLD	YYLKMAEEIV	KSGAHILAIK	DMAGLLRPAA	750 VTKLVTALRR
ATCC 21253 NRRL B-1147	pyc 4 pyc	751 EFDLPVHVHT	HDTAGGQLAT	YFAAAQAGAD	~ AVDGASAPLS	800 GTTSQPSLSA